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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/647,680 08/25/2003 Sandeep Tonapi 136343 (1306-24) 2877 7590 09/17/2004 **EXAMINER** GE Global Research PENG, KUO LIANG Docket Room K-1/4A59 ART UNIT PAPER NUMBER One Research Circle Niskayuna, NY 12309 1712

DATE MAILED: 09/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			( (
Office Action Summary	Application No.	Applicant(s)	).
	10/647,680	TONAPI ET AL.	
	Examiner	Art Unit	
	Kuo-Liang Peng	1712	
The MAILING DATE of this communication appr Period for Reply	ears on the cover sheet with the c	orrespondence addre	ess
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ARANDONE	nely filed  s will be considered timely. the mailing date of this comr	nunication.
Status			
1) Responsive to communication(s) filed on 12/5/0	03 IDS.		
	action is non-final.		
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.			
Disposition of Claims			
4)  Claim(s) 1-47 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5)  Claim(s) is/are allowed. 6)  Claim(s) is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) 1-47 are subject to restriction and/or e  Application Papers 9)  The specification is objected to by the Examiner	lection requirement.		
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.			
Applicant may not request that any objection to the d		• •	
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example 11.			
Priority under 35 U.S.C. § 119			
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>			
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal Pa 6)  Other:	ite	52)

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## **DETAILED ACTION**

## Election/Restrictions

- Restriction to one of the following inventions is required under 35 U.S.C.
   121:
  - I. Claims 1-18, drawn to a composition, classified in class 524, subclass 588.
  - II. Claims 19-33, drawn to a method of increasing heat transfer, classified in class 156, subclass 326+.
  - III. Claims 34-47, drawn to an electronic component, classified in class 428, subclass 446+.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions of Group I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the composition can be used in a molding process.

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- 3. Inventions of Group I and III are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the electronic component can comprise a filler possessing particles having a maximum particle diameter greater than 25 microns. The subcombination has separate utility such as the sole component in a molding material.
- 4. Inventions of Group II and Group III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the process can be used to make an electronic device comprising a thermal interface

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composition containing a blend of a polymer matrix and a filler possessing particles having a maximum particle diameter greater than 25 microns.

- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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8. Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Kuo-Liang Peng whose telephone number is

(571) 272-1091. The examiner can normally be reached on Monday-Friday from

8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Randy Gulakowski, can be reached on (571) 272-1302. The

fax phone number for the organization where this application or proceeding is

assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

klp

September 16, 2004

KUO-LIANG PENG

Kuo-Liang Peng Primary Examiner Art Unit 1712